

Microbiological Property Evaluation of Natural Essential Oils Used in Green Cosmetic Industry

Hülya Kayhan

Art de Huile şirketinde Owner/Founder Art de huile Aromatherapy
Sutton, England, United Kingdom

Abstract

This study was designed to investigate antimicrobial properties of natural essential oils including; citronella, cinnamon, palmarosa, niaouli, clove, lavender, bergamot, lemon, grapefruit, petitgrain, peppermint, tea tree and eucalyptus from different oil sources. Data taken from the disk diffusion assay indicate that cinnamon, niaouli, lavender, petitgrain and the tea tree oils have the most intense antibacterial effects on related microorganisms at the concentration %100 (direct usage). Endpoints confirm results reported in the past studies including the MIC assays on the related natural oils. Overall, natural oils have been used safely for many decades on the cosmetic formulations and this experiment emphasizes one more time the importance of the natural oils usage in industry.

Biography

Who is Hülya Kayhan?

She was born in 1971 in a village called Yenibedir in Luleburgaz. She won the High Schools exam that she took in the 5th grade, became the third ranked student in Kırklareli therefore got the right to study at Edirne Anatolian High School. In the university exam she took after high school, she preferred Istanbul University Faculty of Pharmacy to learn the secrets of the medicinal herbs which she grew up with her stories. She graduated from the Faculty of Pharmacy in 1995 and went to London for master's degree in the field of Pharmaceutical Technology. During her graduate studies at the University of London King's College, she took courses in alternative therapy including aromatherapy and phytotherapy. Aromatherapy attracted her attention and she started to focus her studies in this field. Hülya Kayhan took lessons from the best professors of the field of aromatherapy and studied resources meticulously in different languages, reinforced her command of aromatherapy, took a step to offer essential oil formulas for the benefit of public health and decided to create her brand. After getting necessary approvals and permissions, she started to produce essential oils under the brand name "Art de Huile" that cure many diseases and complaints. Today, Hülya Kayhan who is one of the most trusted pharmacists with her knowledge and unique formulas